ISSUE DOCUMENTATION – RTCA SC-186

Tracking Information (committee secretary only)	
Change Issue Number	11
Submission Date	13 January 2004
Status (open/closed/deferred)	Pending
Last Action Date	

Short Title for Change Issue:	Inconsistency between continuity requirements in Tables 2-3 & 3-1 (& other errors in Table 2-3)

Topic:		ASA		High-level	ASAS	STP		ASSAP		CDTI

Document Reference:	DO-289		Originator Information:	
Entire document (y/n)	No		Name	Jonathan Hammer / Steve Friedman
Section number(s)			Phone	703-883-5209
Paragraph number(s)			E-mail	jhammer@mitre.org
Table/Figure number(s)	Table 2-3 & Table 3-1		Other	steve@adsi-m4.com

Proposed Rationale for Consideration (originator should check all that apply):	
	Item needed to coordinate with other documents
	ASA MASPS
	1090 MHz Link MOPS
	UAT Link MOPS
	TIS-B MASPS
	Previously written CDTI MOPS
	Other (include document title):
	Item needed for harmonization with international requirements
	Item identified during recent ADS-B development activities and operational evaluations
	MOPS clarifications and correction item
	Validation/modification of questioned MOPS requirement item
	Military use provision item
	New requirement item

Nature of Issue:	X	Editorial		Clarity	X	Performance		Functional

Issue Description (attach additional sheets if necessary):

1. Table 2-3 says that there is no continuity requirement for CD and ASSA & FAROA, but also says that a TQL of 1 is necessary. TQL 1 requires 10^{-3} continuity.

2. The reference in the continuity row of table 2-3 is incorrect and should be to the next section.

3. Table 2-3 Row 13 is missing a reference to 2.4.5.3.3.2

4. The maximum time to indicate integrity change in 3-1 is across the transmit side and is significantly less than the spec in table 2-3 (which is across tx and rx). However, the large time to indicate integrity change across the receive side does not seem warranted.

5. The ASA MASPS should have requirements for time to first ADS-B report to handle the case of the ADS-B rebooting in mid-air. (While A1-C1 is inop, the ADS-B would simply report "no known position" and trust ground multilateration. A requirement for STP reboot might also be useful.)

Originator's proposed resolution if any (attach additional sheets if necessary):

1. State continuity requirement of 10^{-3} for CD and ASSA & FAROA, with a note that explains this is for consistency with other requirements.

2. Correct section reference.

3. Put in reference to 2.4.5.3.3.2

4. Recheck requirements

5. Discuss